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# NOTICE OF ALLOWANCE AND FEE(S) DUE

909 7590 10/06/2009
PILLSBURY WINTHROP SHAW PITTMAN, LLP
P.O. BOX 10500

MCLEAN, VA 22102

EXAMINER

ALLEN, CAMERON J

ART UNIT PAPER NUMBER

1797 DATE MAILED: 10/06/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/543,090	07/22/2005	Eng-Chye Teoh	030285-0316928	5639

TITLE OF INVENTION: METHODS FOR THE REMOVAL OF ORGANIC NITROGEN, ORGANIC AND INORGANIC CONTAMINANTS FROM AN AQUEOUS LIQUID

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/06/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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	VINTHROP SHA	<sub>i</sub> /2009 .W PITTMAN, LI	.P Lbe	Certify	icate of Mailing or Trans Fee(s) Transmittal is bein	smission g deposited with the United sts class mail in an envelope above, or being facsimile date indicated below.
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						(Signature)
						(Date)
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/06/2010
EXAMI	INER	ART UNIT	CLASS-SUBCLASS			
ALLEN, CA		1797	210-749000	•		
I. Change of correspondence address or indication of "Fee Address" (37 CFR 1.863). Change of correspondence address (or Change of Correspondence Address form PTOVSB/122) attached.  J. Tee Address 'indication (or 'Fee Address' Indication form PTOVSB/422 or more recent) attached. Use of a Customer Number is recytlined.		(I) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto- listed, no name will be	For printing on the patent front page, list ) the aamse of up to 3 registered patent attorneys  agents OR. alternatively,  the aamse of a single firm flaving as a member a gistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is sted, no name will be printed.			
PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIG	ess an assignee is ident in 37 CFR 3.11. Comp	ified below, no assignee pletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CO	UNTRY)	occument has been filed for
4a. The following fee(s) a	re submitted:	4	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car	se first reapply any d. Form PTO-2038 is	previously paid issue fee s attached. the required fee(s), any d	shown above)
	SMALL ENTITY state	as. See 37 CFR 1.27.			ENTITY status. Sec 37 C	
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This collection of informa an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu irginia 22313-1450. DO (3-1450.	CFR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will var rden, should be sent to the ONOT SEND FEES OR	ion is required to obtain or re 1.14. This collection is est y depending upon the indivi- he Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS. 5	public which is to file (an nutes to complete, includi ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete sartment of Commerce, P.O. for Patents, P.O. Box 1450,

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PILLSBURY WINTHROP SHAW PITTMAN, LLP			ALLEN, CAMERON J	
P.O. BOX 10500 MCLEAN, VA 22102			ART UNIT	PAPER NUMBER
			1797	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 199 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 199 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Application No. Applicant(s) 10/543,090 TEOH, ENG-CHYE Notice of Allowability Examiner Art Unit CAMERON J. ALLEN 1797 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the amendment filed on 8/27/2009. 2 M The ellaward plaim/a) in/are 44 43 44 47 49 and 24

2. The allowed claim(s) israte 11,13,14,17,16 and 21.	
3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U  a) ☑ All b) ☐ Some* o ☐ None of the:  1. ☐ Certified copies of the priority documents have been re:  2. ☐ Certified copies of the priority documents have been re:  3. ☑ Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:	belived.  Serived in Application No  have been received in this national stage application from the munication to file a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason	
5. CORRECTED DRAWINGS ( as "replacement sheets") must be subtreated by the Notice of Draftsperson's Pater 1) hereto or 2) to Paper No./Mail Date	unt Drawing Review ( PTO-948) attached  nent / Comment or in the Office action of  build be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).  JLOGICAL MATERIAL must be submitted. Note the
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No/Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other

Art Unit: 1797

### Reasons for Allowance

Claims 11, 13-14, 17-18, and 21 allowed.

The following is an examiner's statement of reasons for allowance: The prior art does not disclose adding a nitrosonium ion generator into an aqueous liquid to remove nitrogen from organic-based nitrogen contaminants at a controlled temperature; and oxidizing the aqueous liquid by adding peroxide in the presence of activated carbon.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CAMERON J. ALLEN whose telephone number is (571)270-3164. The examiner can normally be reached on M-Th 9-7pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on 571-272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1797

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CJA

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797